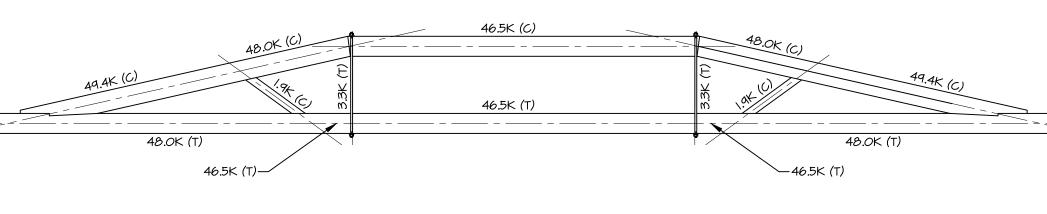


7 TRUSS REPAIR PARTIAL ELEVATION; 4" SHEAR PLATE CONNECTOR OPTION **5402** SCALE: 3/4" = 1'-0"

5 AT 7"

(A) BOTTOM CHORD 7" WIDEX9 1/4" DEEP (B) TOP CHORD 8" WIDEXIO" DEEP (C) LONGITUDINAL PURLIN 3" WIDEXII 3/8" DEEP D) STRUT 2" WIDEX3 7/8" DEEP 46.5K (T)

46.5K (T)-



TRUSS AXIAL FORCES FOR REPAIR CALCULATIONS

SCALE: 1/4"=1'-0" <u>NOTES</u> NI: 10" MINIMUM. INCREASE IF NECESSARY

DUE TO JOIST LAYOUT N2: EXISTING 2"XIO" JOIST SUPPORTED BY 2"x4" LEDGER N3: | 3/4"x9 |/4" LVL 2.0E 3100 Fb, TYPICAL

TYP (4) LOCATIONS WHERE EXISTING 2"XIO" JOISTS ARE TO BE TAKEN DOWN PER PLAN, FIELD TRIM AND REINSTALL WITH SIMPSON U210(R) HANGER SCREWS. DRILL PILOT HOLE NAIL EACH LAYER OF LVL TO PREVENT SPLITTING. WITH 30d NAIL (5 GAGE x ALTERNATE SIDE FOR EACH 4 1/2" LONG) OFFSET PAIR OF SCREWS NAILS AND PRE-DRILL-(2) 5/8" DIA - FROM NEAR SIDE LAG SCREWS -FROM FAR SIDE

B -SECTION

REMOVE EXISTING BRICK AS REQUIRED AND REPLACE WHEN REPAIRS ARE COMPLETED -- NEW BOTTOM CHORD DRILL AND TOE-NAIL FROM — LEDGER, EACH SIDE EACH SIDE WITH (3) 20d NAILS -3'-8" (MATCH EXISTING) REPLACE CRUSHED AND ROTTEN 2"x8" BEARING PLATE WITH - 3 GENEROUS BEADS OF CONSTRUCTION ADHESIVE IDENTICAL SIZED MEMBER RIPPED UNDER PLATE FROM 4"x8" (NOMINAL) PRESERVATIVE TREATED SOUTHERN PINE NO.I OR BETTER -

LOADS INDICATED ARE AXIAL FORCES BASED

AXIAL FORCES ARE BASED ON THE FOLLOWING

5.5 PSF (TAR & GRAVEL)

SNOW: 25.0 PSF (OVER SLOPED SURFACE

+ SELF-WT OF 3"XI2" PURLINS

+ SELF-WT OF TRUSS MEMBERS

ON FULL DEAD LOAD PLUS FULL SNOW LOAD.

(C) OR (T) INDICATES COMPRESSION OR

2.0 PSF (DECKING)

CEILING: 5.65 PSF (LATH & PLASTER) 3.75 PSF (JOISTS)

OF ROOF)

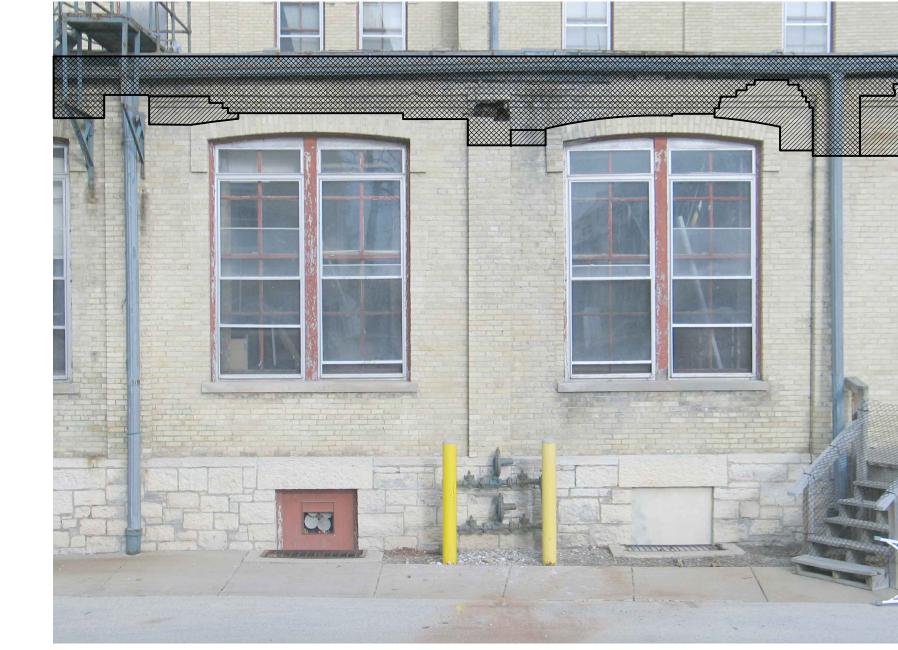
K INDICATES LOAD GIVEN IN KIPS.

ROOF: 3.75 PSF (JOISTS)

ITEMIZATIONS:

5 SECTION **5402** SCALE: 3/4"=1'-0"





KEY NOTES

(A) REPLACE: END OF DETERIORATED TIMBER WITH NEW OR

B) REPLACE: END OF DETERIORATED TIMBER WITH NEW OR SALVAGED MATERIAL (SEE SPECS FOR REQUIRED PROPERTIES). TOP CHORD 8" WIDEXIO" DEEP.

REPLACE WITH NEW BOLT: GRADE 36 MATERIAL WITH 1/4"
PLATE WASHER AT BOTTOM AND TAPERED WASHER AND

(E) 3/8" THICK STEEL PLATE EACH SIDE, A36. FASTEN WITH (12)- 3/4" DIAMETER BOLTS, GRADE 36 MATERIAL, USING

CONNECTORS ON EACH SIDE (2 PER BOLT). GEOMETRY

(F) KEYED SCARF JOINT. PROFILE TIMBERS IN A NEAT AND MORKMANLIKE MANNER SO THAT ALL SURFACES ARE SMOOTH AND FIT TIGHT.

4" DIAMETER MALLEABLE IRON SHEAR PLATE

(G) 3/8" THICK STEEL PLATE TOP AND BOTTOM, A36. FASTEN WITH 2-ROWS OF 3/4" DIAMETER BOLTS IN

J) REMOVE AND REPLACE OR SHORE IN PLACE: ROOF

REMOVE AND REPLACE OR SHORE IN PLACE: T&G DECK BOARDS

(P) LEDGER 3" WIDE XII" DEEPXCONT; NOTCHED INTO COLUMN

GEOMETRY SHOWN (16 BOLTS TOTAL).

K I" DIA TIE ROD WITH PLATES AT TOP AND BOTTOM CHORDS

Q) BORATE RODS - SEE SPECIFICATIONS

(I) STRUT 2" WIDEX3 7/8" DEEP

M STRUT 6" WIDEX3 3/4" DEEP

N BRACE 2" WIDEX4" DEEP

0) COLUMN 6"x6"

(H) REMOVE AND REPLACE OR SHORE IN PLACE:

(D) PERPENDICULAR CUT - FIT TIGHT.

SALVAGED MATERIAL (SEE SPECS FOR REQUIRED PROPERTIES). BOTTOM CHORD 7" WIDEXIO" DEEP.





6 EXISTING FIRST LEVEL MASONRY WALL REPAIR AREAS

5402 SCALE: NONE

NDICATES AREAS REQUIRING REMOVAL, SALVAGE, AND REPLACEMENT OF BRICK MASONRY, IN ACCORDANCE WITH REQUIREMENTS DESCRIBED ELSEWHERE.

NDICATES AREAS REQUIRING TUCKPOINTING OF BRICK MASONRY, IN ACCORDANCE WITH REQUIREMENTS AREAS NOTED ABOVE REQUIRING REMOVAL, SALVAGE AND

CONTRACTOR SHALL REMOVE MINIMUM AMOUNT OF BRICK MASONRY

3

NECESSARY TO REACH SOUND BEARING FOR WALL ABOVE AND

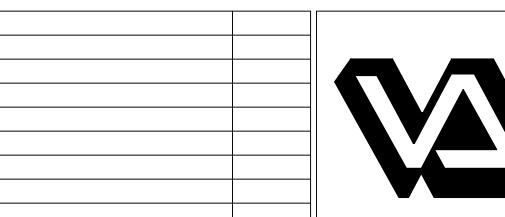
REPLACEMENT OF BRICK MASONRY ARE APPROXIMATE.

WALL, AS DESCRIBED ELSEWHERE. 3. REMOVAL OF WALL SURFACE BETWEEN PIERS, INCLUDING CORBELING AT TOP OF WALL SHALL BE THROUGH FULL WALL THICKNESS, AND COMPLETE FROM TOP OF WALL TO SOUND MASONRY. WALL IS ESTIMATED TO BE TWO WYTHES THICK AT FLAT PORTION OF WALL BELOW CORBELS AND BETWEEN PROJECTING PIERS, AND THREE WYTHES THICK AT FULL CORBEL EXTENT. BRICK BEHIND AND ABOVE BOTTOM OF GUTTER (NOT VISIBLE IN SOME

FOR STRUCTURAL ELEMENTS AND ROOF ELEMENTS BEARING ON

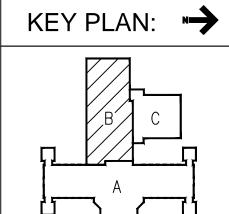
4. REMOVAL OF PIER BELOW TOP OF WALL SHALL BE FOR EXTERIOR WYTHE ONLY. EXTERIOR WYTHE APPEARS TO HAVE BEEN SURFACE APPLIED AS A SINGLE WYTHE TO HIDE INTERIOR TRUSS BEARING AT ROOF. THIS WYTHE EXTENDS TO BELOW THE ELEVATION OF THE 8" THICK STONE BEARING CAP FOR THE ROOF TRUSSES. WHICH SITS ON AN INTERIOR TWO WYTHE THICK BRICK PIER. THE EXTERIOR BRICK WYTHE MAY BE TOOTHED INTO AND MADE AN INTEGRAL PART OF THE INTERIOR PIER AT AN UNKNOWN DISTANCE BELOW TRUSS BEARING ELEVATION. INTENT OF PIER REMOVAL WHERE REQUIRED ABOVE IS TO TERMINATE REMOVAL NO FURTHER BELOW TRUSS BEARING THAN POINT AT WHICH EXTERIOR WYTHE IS TOOTHED INTO 5. DUE TO THE HISTORIC NATURE OF THE BUILDING, ANY SCAFFOLDING THAT THE CONTRACTOR MAY CHOOSE TO ERECT TO ASSIST IN THE REMOVAL, SALVAGE, REPLACEMENT AND TUCKPOINTING OF THE BRICK MASONRY, AND THE REMOVAL AND REPLACEMENT OF ROOFING, GUTTERS, DOWNSPOUTS AND FLASHING SHALL BE COMPLETELY STABLE AND SELF SUPPORTING WITHOUT FASTENING TO THE EXISTING BUILDING IN ANY WAY. NO ATTACHMENT OF ANY KIND TO THE EXISTING BUILDING IS PERMITTED. CONTRACTOR MUST DESIGN AND ERECT SCAFFOLDING TO MAINTAIN A MINIMUM OF 12" BETWEEN FACE OF SCAFFOLDING AND FACE OF EXISTING BUILDING. REMOVE AND SALVAGE FOR REUSE ROOF PURLINS, ROOF GIRDERS (PURLIN SUPPORT BEAMS) AND CEILING SUPPORT BEAMS.

CONSTRUCTION DOCUMENTS FULLY SPRINKLERED



Dept. of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI







A -SECTION

4 DETAIL

5402 SCALE: 3/4"=1'-0"

Drawing Title EXISTING CONDITIONS AND STRUCTURAL REPAIR INTENT Approved: Project Director

VA Medical Center, Milwaukee, WI

A+O

695-10-220 **Building Number** Building 2 Drawing Number

Office of Construction and Facilities Management

Department of Veterans Affairs

Checked 19 June 2012

Building 2 Roof Stabilization

Project Number

VA FORM 08-6231

O'SHERIDAN INC

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ntractors are responsible for the means, methods, techniques, sequences nd procedures of construction including, but not limited to, temporary ports, shoring, forming to support imposed loads and other similar items.

M A D I S O N, W I S C O N S I N

one eighth inch = one foot

0 4 8 16

(608) 821-8500 BROOKFIELD, WISCONSIN

PHOTOS) IS ANTICIPATED TO BE THREE COURSES HIGH.

